

slight disagreement with the heights of 966 feet and 1646 feet contained in the aeronautical documents. The ends of the antenna top and bottom elements were surveyed precisely at 1633.3 and 1526.8 feet respectively AMSL. The resulting antenna center is 1580.05 feet AMSL, precisely 17.95 feet less than reported to the FCC.

### **WGGC(FM) SUB-MINIMUM CLASS C FACILITIES**

The average elevation and antenna height discrepancies added together result in an antenna height of 26.4 feet less than reported to the FCC. The surveyed antenna height of 1580.05 feet AMSL is 961.6 feet above the average terrain height of 618.45 feet AMSL. Thus the WGGC(FM) antenna is 22.64 feet below the minimum Class C height of 300 meters (984.24 feet) AAT. WGGC(FM) is operating with Class C1 facilities.

### **REVISED ALLOCATION STUDY**

Considering the above information and the presumed re-classification of station WGGC(FM) to Class C1, WCDZ(FM), operating as Class C3, requires 211 kilometers of separation to WGGC(FM) Class C1, rather than 237 kilometers as Class C3 to Class C. This results in 22.1 kilometers of clearance rather than a 3.89 kilometer short spacing. The clearance in this case opens an area east of WCDZ(FM) to provide an allotment site as specified in Section 73.203 Note 1. Attached as Figure 2 is an allocation study showing the distance separations from an assumed allotment site to the existing stations, allocations and revised WGGC(FM) Class C1. Operation of WCDZ(FM) from its present site will entail short spacing and Section 73.215 processing to only one remaining station, WTRB-FM at Ripley, TN. The separation remains 88.21 km, comfortably above the minimum allowed separation of 72 km required by the table in Section 73.215(e) of the Rules.


## APPLICATION MODIFICATION

The above allocation situation will remove the short spacing and the Section 73.215 processing requirement toward WGGC(FM) to the northeast and leave only the limitation toward WTRB(FM) to the southwest. Therefore, the application in FCC File BPH-951120IE will specify a directional antenna with suppression only to the southwest.

## CONCLUSION

A substantial land area meeting Section 73.207 separation compliance is now open, thus meeting the Section 73.203 threshold requirement for a suitable allotment site, and allowing processing of the WCDZ(FM) application for upgrade from Class A to Class C3 under Section 73.215 of the FCC Rules. This outcome removes the need for the requested waiver of Section 73.203. A minor modification of the application in BPH-951120IE will specify a less restrictive directional antenna.

Respectfully Submitted,  
Lohnes and Culver

by 

Robert D. Culver, P.E.  
Maryland RPE 19672

September, 1997



# ENGINEERING

SURVEYING • PLANNING • DESIGNING • INSPECTION

2965 NORTH MILL AVENUE  
BOWLING GREEN, KENTUCKY 42104  
(502) 843-2247

Dennis D. Smith, P.E., P.L.S.  
Sharon H. Smith, Office Manager

12 May 1997

Mr. Paul F. Tinkle, President  
Thunderbolt Communications  
P. O. Box 318  
733 North Lindell  
Martin, Tennessee 38237

901-587-9526  
FAX 901-587-5079

Re: Radio Transmission Tower Height  
Warren County, Kentucky

Dear Mr. Tinkle;

As per your FAX of 09 May 1997, below is the data you requested:

1. Elevation at base of tower: 676.9
2. Elevation at top of tower (antenna): 1,633.3
3. Height of tower (antenna) above grade: 956.4 feet
4. Elevation at top of tower lightning rod (?): 1,642.5
5. Height of tower lightning rod (?) above grade: 965.6 feet
6. Elevation at bottom of antenna: 1,526.8
7. Height of bottom of antenna above grade: 849.9 feet
8. Calculated length of antenna: 106.5 feet
9. Latitude: 36° 54' 42" N
10. Longitude: 86° 11' 23" W

Please note that all elevations given are "above mean sea level" and were determined from the southern bridge seat elevation of the Kentucky Highway 101 bridge over Barren River, north of the

FIGURE 1

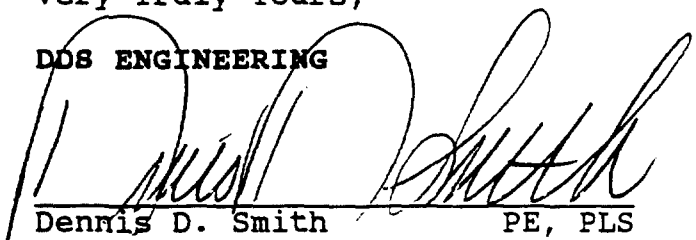
tower site. These elevations were originally tied to USGS datum. No USGS benchmarks were found within 4 to 5 miles south of the site.

The latitude and longitude of the tower were determined by scaling from field measurements of USGS topographic map identifiable objects.

If you have any questions, please give us a call.

Very Truly Yours,

**DDS ENGINEERING**



Dennis D. Smith

PE, PLS

DDS/com

pc: by FAX to Mr. Bob Culver at 301-776-4499

**FIGURE 2**  
**ALLOCATION STUDY - ALLOTMENT SITE**  
**WCZDZ(FM) 25KW (MAX-DA) 100M CHANNEL 236C3**  
**DRESDEN, TENNESSEE**

<u>CHANNEL</u>	<u>STATION</u>		<u>CITY, STATE</u>	<u>DISTANCE SEPARATION IN KM</u>	
	<u>CALL</u>	<u>CLASS</u>		<u>ACTUAL</u> <sup>(1)</sup>	<u>REQUIRED</u> <sup>(2)</sup>
233	WFGZ(Lic.)	C2 <sup>(3)</sup>	Lobelville, TN.	86.97	56
234	WBLN(Lic.)	C2 <sup>(3)</sup>	Mayfield, KY.	57.27	57
235	WTRB-FM(Lic.)	A	Ripley, TN.	89.92	89(72 <sup>(4)</sup> )
235	WFRQ(C.P.)	C3	Waynesboro, TN.	143.27	99
236	WXLN(Lic.)	A	Caterville, IL.	179.26	142
236	WGGC(Lic.)	C1	Glasgow, KY.	230.71	226(200 <sup>(4)</sup> )
236	KAMS(Lic.)	C1	Mommoth Spring, AR.	252.96	211
237	WTBG(Lic.)	A	Brownsville, TN.	90.04	89
238	No stations within required separation plus 50 kilometers				
239	WFKX(Lic.)	A	Henderson, TN.	83.72	42
289	WWUC(Lic.)	A	Union City, TN.	53.24	12
290	No stations within required separation plus 50 kilometers				

Assumed Allotment site coordinates: 36° 15' 00" 88° 38' 00"

- Notes:
- (1) Calculated distance separation between stations in accordance with Section 73.208 of the FCC Rules.
  - (2) Required minimum distance separation between stations per Section 73.207 of the FCC Rules.
  - (3) Filed under Section 73.215 of the FCC Rules.
  - (4) minimum distance separation requirement for providing contour protection in Section 73.215(e) of the FCC Rules. Contour protection proposed pursuant to Section 73.215.

**Exhibit 4**

**EXHIBIT**  
**ENGINEERING STATEMENT RE:**  
**APPLICATION FOR CONSTRUCTION PERMIT**  
**FCC FILE BPH-951120IE**  
**WCDZ(FM) 25.0kW 100M AAT CH.236C3**  
**DRESDEN, TENNESSEE**

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CONCLUSION	PAGE 3

**FIGURES**

ALLOCATION MAP	FIGURE 1
ALLOCATION STUDY - ASSUMED SITE	FIGURE 2

Prepared by  
Lohnes and Culver      Washington, D.C.  
April, 1998

**EXHIBIT  
ENGINEERING STATEMENT RE:  
ADDITIONAL TECHNICAL INFORMATION  
APPLICATION FOR CONSTRUCTION PERMIT  
FCC FILE BPH-951120IE  
WCDZ(FM) 25.0kW 100M AAT CH.236C3  
DRESDEN, TENNESSEE**

**INTRODUCTION**

This engineering statement was prepared on behalf of Thunderbolt Broadcasting Company (Thunderbolt), licensee of FM Broadcast Station WCDZ(FM) and permittee as indicated above. It supplies additional technical information regarding that application and the waiver requests made therein.

The referenced application was submitted in September of 1995 and requested a waiver of Section 73.203 of the Rules of the Federal Communications Commission (FCC Rules) and processing under Section 73.215 of the Rules. A supplemental statement was presented to the FCC supplying information regarding the FM Class of one of the affected nearby stations, negating the need for that waiver. This statement supplies the particular information requested on the current FCC Form 301 V-B, effective date April 1996, at paragraph 14 regarding the proposed One-step reallocation of WCDZ(FM). All calculations, contours, and other technical data contained in or attached to this statement have been determined in accordance with the current FCC Rules.

**ENGINEERING EXHIBITS**

Attached as Figure 1 is an allocation map showing all of the stations and allocations close enough to WCDZ(FM) to be affected by the proposed allocation change. This map shows the required separation arcs from the four long standing operations which defined the WCDZ(FM) allocation restrictions and the latest addition, WXLT(FM), which imposes an additional restriction. The map also shows the



"Maximum 70 dBu" Class C3 contour distance drawn from the furthest point of the available Class C3 allocation area and an assumed "Allocation Site" within that area. The map shows the latitude and longitude marks on the southern border of the map and intermediate tic marks on the map. The allotment area and assumed allocation site fall within these coordinate marks.

Attached as Figure 2 is a tabulation of the allocation stations, their calculated separations and required separations under the assumptions of the WCDZ(FM) application. Those assumptions are: 1) WGGC(FM) at Glasgow, KY. is downgraded to Class C1 as previously requested, or a waiver of the spacing required for WGGC(FM) Class C is granted. 2) the assumed "Allocation Site" is used. The allocation site is in an area in which all of the separation requirements of Section 73.207 of the Rules are met under assumption 1 above.

#### **AVAILABLE ALLOTMENT AREA**

The available area is shown on Figure 1, bounded by solid lines A and 4 and dashed line 3. The area is approximately 11 km long by 6 km wide, covering approximately 33 square kilometers. The map of Figure 1 indicates the area is generally of a rural nature and crossed by numerous country roads. Given the nature of the area, its size and the relatively small tower needed, approximately 100 meters high, it appears the area is generally suitable for tower construction.

#### **MINIMUM DISTANCE SEPARATIONS**

The allocation study tabulation in Figure 2 indicates that the assumed allocation site meets all of the required separations of Section 73.207 of the FCC Rules under assumption 1 above, that WGGC(FM) is reclassified to FM Class C1 or waiver granted.

#### **PRINCIPAL COMMUNITY COVERAGE**

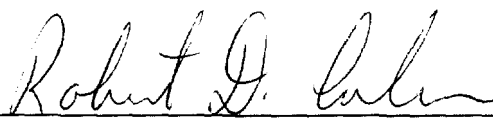
The map of Figure 1 shows the predicted 70 dBu contour for maximum average

class C3 facilities drawn from the furthest southeast corner of the available allotment area. That contour which extends approximately 23 kM, extends beyond Dresden, the community of license for WCDZ(FM). The assumed allocation site is located approximately 10 kM closer to Dresden, within 13 kM of the far side of the town. Any site within the allotment area will provide coverage as required by Section 73.315 of the FCC Rules.

## CONCLUSION

A substantial land area is demonstrated as being available which meets the requirements for Section 73.207 separation compliance. This open area thus meets the Section 73.203 threshold requirement for a suitable allotment site, and allows processing of the WCDZ(FM) application for upgrade from Class A to Class C3 under Section 73.215 of the FCC Rules. This outcome removes the need for the requested waiver of Section 73.203.

Respectfully Submitted,  
LOHNES AND CULVER

by   
Robert D. Culver, P.E.  
Maryland RPE 19672

April, 1998

**FIGURE 2**  
**ALLOCATION STUDY - ALLOTMENT SITE**  
**WCDZ(FM) 25KW (MAX-DA) 100M CHANNEL 236C3**  
**DRESDEN, TENNESSEE**

<u>CHANNEL</u>	<u>STATION CALL</u>	<u>CLASS</u>	<u>CITY, STATE</u>	<u>DISTANCE SEPARATION IN KM</u>	
				<u>ACTUAL<sup>(1)</sup></u>	<u>REQUIRED<sup>(2)</sup></u>
233	WFGZ(Lic.)	C2 <sup>(3)</sup>	Lobelville, TN.	85.43	56
234	WIRV-FM(Lic.)	C2 <sup>(3)</sup>	Mayfield, KY.	59.38	56
235	WTRB-FM(Lic.)	A	Ripley, TN.	92.82	89(72 <sup>(4)</sup> )
235	WFRQ(C.P.)	C3	Waynesboro, TN.	139.4	99
236	WXLT(Lic.)	A	Caterville, IL.	182.0	142
236	WGGC(Lic.)	C <sup>(5)</sup>	Glasgow, KY.	227.1	237(226 <sup>(4)</sup> )
236	WGGC(Lic.)	C1 <sup>(5)</sup>	Glasgow, KY.	227.1	226(200 <sup>(4)</sup> )
236	KAMS(Lic.)	C1	Mommoth Spring, AR.	257.7	211
237	WTBG(Lic.)	A	Brownsville, TN.	91.46	89
238	WSM-FM(Lic.)	C	Nashville, TN.	154.8	96
239	WFKX(Lic.)	A	Henderson, TN.	82.37	42
289	WWUC(Lic.)	A	Union City, TN.	58.00	12
290	No stations within required separation plus 50 kilometers				

Assumed Allotment site coordinates: 36° 14' 00" 88° 35' 00"

- Notes:
- (1) Calculated distance separation between stations in accordance with Section 73.208 of the FCC Rules.
  - (2) Required minimum distance separation between stations per Section 73.207 of the FCC Rules.
  - (3) Filed under Section 73.215 of the FCC Rules.
  - (4) Minimum distance separation requirement for providing contour protection in Section 73.215(e) of the FCC Rules. Contour protection proposed pursuant to Section 73.215.
  - (5) WGGC Class C requires Rule waivers, Class C1 requires no waivers.

Prepared by  
Lohnes and Culver Washington, D.C.  
April, 1998





## Statement of Paul F. Tinkle

Thunderbolt Broadcasting Company respectfully submits a petition for reconsideration of facilities (file no. BPH 951120IE.) This request relies on facts which relates to events that have occurred and circumstances that have changed since the last opportunity to present such information

WCDZ Radio in Dresden, Tennessee has become a *critical and unique link* in the broadcasting of emergency earthquake information for the University of Tennessee at Martin. This university is located in rural Northwest Tennessee in the same general vicinity of WCDZ. The nearest metropolitan city is one hundred twenty miles away. The enrollment of this University is in excess of six thousand students, many who are from Japan, Korea, Brazil, Thailand, India, Senegal, Jordan, Lebanon, Venezuela, Australia, England, South Africa, France, Sweden, Canada, Hong Kong, Malaysia and others totalling 38 foreign countries.

Both WCDZ radio and the University are located in the critical New Madrid Earthquake seismic zone. As outlined elsewhere in this petition for reconsideration by Dr. David Loebbaka, Geology, Geography and Physics Chairman, this University measures and collects seismic activity data for the Center for Earthquake Research Institute in Memphis. Additionally, through a National Science Foundation grant, new specialized earthquake gathering data equipment is being installed on the University's campus. This sensitive equipment will gather critical sophisticated data for the Department of Earth and Atmospheric Sciences at St. Louis.

The Department of Public Safety is strategically located on the campus of The University of Tennessee at Martin. It has selected WCDZ radio as the disseminator of critical earthquake information that effects the University population and the region.

When an earthquake occurs, the Department of Public Safety will obtain information from the Department of Geology, Geography and Physics and relay that information *directly to WCDZ*. This relay of information will be done by a special designated communication link installed at the Department of Public Safety and WCDZ radio. Through this direct link, earthquake information will be transmitted by WCDZ to the Disaster and Emergency Service Office in Dresden, Tennessee for emergency response. This critical information can be used by emergency response teams, ambulance, rescue personnel, law officers and others who are responding in the region. It is likely that because of our special link with the University other broadcast stations would likely monitor WCDZ as a source of vital information.

The University has geology faculty who can answer questions related to earthquakes and WCDZ can broadcast, immediately if necessary, by our unique ability to "patch" the Department of Public Safety on the air, and communicate important messages and information to those additionally served by WCDZ.

It should be clearly noted that WCDZ radio will serve as the *only* direct link to the Disaster and Emergency Services office from the University of Tennessee at Martin where professors are available to provide their expertise in this time of emergency. WCDZ will uniquely serve the public interest reaching several thousand additional families including but not limited to students and families enrolled or associated with the University itself.

Since no other broadcast facility will have such equipment in place and be able to transmit critical earthquake information and assist the coordination of emergency information, a waiver uniquely and genuinely serves the public interest.

Thunderbolt Broadcasting Company believes that its efforts to serve the public interest in this unique manner prove it has a compelling argument in the public interest and should be granted a waiver for the reasons outlined above and included elsewhere in this petition. Further Thunderbolt believes this request review merits a unique case and increases the opportunity for the safety of human life.

It should be further understood that Thunderbolt does not attempt nor has it ever attempted to undermine the Commission's short spacing rules nor has it ever intended to attempt to change the rules but only to seek a waiver of the rule and does so for this unique case of public interest service.

The Commission has encouraged broadcasters to look for new and creative opportunities to serve the public. Most recently the Vice President of the United States emphasized the importance of the dissemination of disaster information and weather radio in recent tornadoes that struck Alabama and Tennessee. A grant of this request further accents the Commission's encouragement and the emphasis placed on broadcasters and their ability to serve the public. We respectfully ask that the Commission to reconsider the application it has before it and grant this waiver to further the opportunities which genuinely serve the public interest in this unique manner by providing an extraordinary opportunity that do not fall within the scope of the rule.

Respectfully submitted,



Paul F. Tinkle

General Manager

WCDZ Radio





Federal Communications Commission  
Washington, DC


April 27, 1998

WCDZ radio station in Dresden, Tennessee is filing an application with you for reconsideration of an earlier decision you made. The file number is BPH 951120 IE. This petition for reconsideration is based on their efforts of public service to the region during a New Madrid earthquake causing other disasters such as severe flooding which might occur from an earthquake.

As Governor of Tennessee, I remember flooding of the Mississippi River which claimed lives and caused millions of dollars in property damage. Our area here is located along this New Madrid earthquake fault. The Center for Earthquake Research Institute in Memphis has calculated the likelihood of a magnitude 6 earthquake probability within the next 15 years at 46-63% and 86-97% probability within the next 50 years. The infrequency of earthquakes in this region before, combined with the lack of public awareness of the hazards and preparations, will amplify the affects of a major quake in this region. It is also important to note that this is a very large tourist area with both Reelfoot Lake and Kentucky Lake where more than a million people visit annually to vacation. Additionally new four lane routes to increase commercial and personal travel through this area have made for a greater influx of transportation in this region.

You are being made aware that this radio station has a unique relationship with the University of Tennessee at Martin to communicate earthquake information with the office of disaster and emergency services which are located Dresden.

Granting a waiver request for WCDZ will allow this station to be in a unique position of serving the public interest to communicate emergency messages to the thousands of residents in this sensitive earthquake region. The Tennessee Emergency Management Agency, the Tennessee National Guard, The American Red Cross and many others including emergency service agencies in our neighboring state of Kentucky would also be greatly served by this request. A grant of this waiver would most definitely be in the public interest and can uniquely serve this region. I hope you'll reconsider your last decision and resolve it in a favorable manner to WCDZ and the public.

Sincerely,  
  
Ned R. McWhorter  
Governor, State of Tennessee  
1987-1995





Office of the Chancellor  
325 Administration Building  
Martin, Tennessee 38238-5021  
(901) 587-7500  
FAX (901) 587-7019

April 29, 1998

Federal Communications Commission  
Washington, DC

As Chancellor of The University of Tennessee at Martin, I want to take this opportunity to encourage the Federal Communications Commission to make a favorable grant of an application that it has received concerning radio station WCDZ in Dresden, Tennessee.

As outlined elsewhere in WCDZ's petition for reconsideration, The University of Tennessee at Martin has a unique relationship with the radio station to provide emergency messages in times of earthquakes and other disasters. You have been made aware that this relationship allows the communication of vital information in the event of an earthquake or other disaster from our University to WCDZ radio. You have also been made aware of the fact that staff members in our Department of Geology, Geography, and Physics conduct earthquake measurements and collect data which is sent to the Center for Earthquake Research and Information. Because of our close proximity to the New Madrid Fault, our data collection will have a significant impact in the event of a major earthquake.

We at UT Martin firmly believe that our relationship with WCDZ radio will enhance the future safety of our 6,500 students, faculty, and staff as well as other residents in the region. I believe that the application pending before you uniquely and genuinely serves the public interest and hope you will approve their request and allow for improvement of their facilities. This radio station can serve this University and our region in a distinct manner and can communicate critical information to the public.

In a situation where lives can be saved and victims can be kept informed through good communication capabilities, it seems to me that the public interest should prevail over an insignificant variance of a general guideline. On behalf of our University and our West Tennessee and Kentucky communities, I urge your approval of the WCDZ application.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Dunagan', written over a horizontal line.

Nick Dunagan  
Chancellor





April 22, 1998

Federal Communications Commission  
Washington, D.C.

You are reviewing a request from Thunderbolt Broadcasting (WCDZ Radio, 95.1) in Dresden, TN for a Class C-3 upgrade (File no. BPH-951120IE). We would like to offer you some additional information that might be germane to this request and we feel should be considered.

You have no doubt been made aware that this radio station is located in rural West Tennessee and is within the New Madrid Seismic Zone (NMSZ). To briefly summarize the earthquake hazard for this region, the Center for Earthquake Research and Information (CERI) in Memphis estimates the likelihood of a magnitude 6 earthquake in this region to be 46-63 % probability in the next 15 years and a 86-97% probability within the next 50 years. The infrequency of earthquakes in this region before, combined with the lack of public awareness of the hazard and preparation (building codes, etc.) will amplify the affects of a major quake in this region.

The United States Geological Survey and various centers for earthquake research (in Memphis and St. Louis most notably) have focused considerable effort in the NMSZ to try and identify the potential hazards and likely effects of major earthquakes in our region. For example, in USGS Professional Paper 1538-M, the authors note that the infrastructure of this region (highways systems and bridges; railroads; main pipelines carrying crude oil, petroleum products, and natural gas; large dams; and nuclear power plants and fuel cycle facilities; electric power supply, critical and lifeline structures) are at significant risk. As you might expect, during such an event, communication will be paramount in disaster response and recovery. The availability of *accurate* information concerning earthquakes by competent professionals is an important aspect of this communication.

In the event of a severe earthquake, communication systems relying on electricity (television, satellite T.V., Internet, etc.) would very likely be severely hindered. Accurate information is paramount in such a situation and radio offers one of the best avenues. The location of WCDZ radio communication origination point is in the same general area as the University of Tennessee at Martin. UT Martin has an active geology program with geology faculty who can answer questions related to earthquakes. In the event that communications between CERI and the northwest Tennessee area are affected, the immediate area in which radio communicated information would originate would be

situated in the same location as technical expertise necessary to answer these questions, unlike most of the other radio stations that cover this region.

Our Department is on the CERI seismic network: we have a short period seismometer located nearby that sends a signal to CERI via a telephone line. In the next few weeks we should have a long period seismometer installed by Professor R.B. Herrmann from the Department of Earth and Atmospheric Sciences at St. Louis University as part of his National Science Foundation grant to monitor seismic activity in the region. The signal will be monitored by St. Louis using an Internet address on our campus computer network. This instrument will not be used to give information on activity (low intensity) along shallow local faults, but will be used to monitor deeper and more distant fault activity. This system should begin operation early in the summer and can be used to provide valuable information in the event of an emergency.

We support any effort to enhance hazard mitigation efforts in the northwest Tennessee region and urge you to consider this information in your deliberations. If we can provide you with additional information, please feel free to contact us. Thank you for your attention in this matter.

Sincerely,



Michael A. Gibson , Associate Professor of Geology  
David Loebbaka, Professor of Physics and Department Chair  
Department of Geology, Geography, and Physics  
The University of Tennessee at Martin  
Martin, TN 38238

c: Dr. Nick Dunagan, Acting Chancellor







Department of Public Safety  
159 Crisp Hall  
Martin, Tennessee 38238-5062  
Phone: 901-587-7777  
FAX: 901-587-7726

April 24, 1998

Federal Communications Commission  
Washington, DC

WCDZ in Dresden, Tennessee is seeking an upgrade of its radio station through a waiver request. We strongly support and recommend this request to allow for an upgrade of the WCDZ signal for the following reasons: In the event of a New Madrid Fault earthquake, The University of Tennessee at Martin Department of Public Safety will directly communicate with and only with WCDZ radio station. This will be done by a specially installed communications system here at the Department of Public Safety and at WCDZ.

In such time of an earthquake(s), or other disaster, the university's Department of Public Safety will contact WCDZ radio through a special link and provide vital communications as it relates to this emergency. WCDZ would then relay this and any of our communications to the Disaster and Emergency Services headquarters in Dresden. It should be noted that WCDZ will be the only radio station that will have such a communications system in place with us. We will relay vital communications only to WCDZ.

As outlined elsewhere, The Department of Geology, Geography and Physics is nearing the installation of a long period seismometer to monitor deeper and more distant earthquake fault activity. This system can be used to provide valuable information in the event of an earthquake which will be communicated with WCDZ by the unique communication system shared by WCDZ and the Department of Public Safety. This University has geology faculty whom we will communicate with to provide critical data concerning earthquakes. Through this special link, we will enhance our capabilities to provide earthquake and other information to the thousands of residents here in the New Madrid Fault region. It should be noted that there are no earthquake or tornado sirens here, thus the need for emergency information becomes even more critical especially in a timely manner. WCDZ would provide this unique information from the university to the population and the emergency teams.

In the focus area for disaster relief efforts during a severe earthquake event or other disaster, it would be imperative that we have this communications avenue to provide critical communications to the residents, families, and communities as it relates to information about our University, the city, county and the region.